

## ABSTRACT

### METHOD OF PROCESSING A SIGNAL BY A RADIO RECEIVER AND RADIO RECEIVER FOR THE IMPLEMENTATION OF THE METHOD

In a spread spectrum digital radiocommunication receiver, a first estimate of a symbol transmitted by a sender is calculated by applying to a radio signal received a processing taking into account a number  $N$  of propagation paths from the sender, a parameter of reliability of the first estimate is evaluated, and when the reliability parameter evaluated does not satisfy a confidence criterion, a second estimate of the symbol is calculated by taking into account at least one  $(N+1)$ -th propagation path from the sender in the processing applied to the radio signal received.

Figure 1